SLOVENSKI STANDARD
oSIST prEN 81346-2:2025

01-september-2025

Industrijski sistemi, inštalacije in oprema ter industrijski izdelki - Načela strukturiranja in referenčne oznake - 2. del: Razvrščanje objektov v razrede in njihove kode

Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 2: Classification of objects and codes for classes

Industrielle Systeme, Anlagen und Ausrüstungen und Industrieprodukte - Strukturierungsprinzipien und Referenzkennzeichnung - Teil 2: Klassifizierung von Objekten und Kennbuchstaben für Klassen

Systèmes, installations et équipements industriels, et produits industriels - Principes de structuration et désignations de référence - Partie 2: Classification des objets et codes pour les classes

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Ta slovenski standard je istoveten z: **prEN 81346-2:2025**

ICS:

01.110	Tehnična dokumentacija za izdelke	Technical product documentation
29.020	Elektrotehnika na splošno	Electrical engineering in general

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3/1737/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:	
IEC 81346-2 ED3	
DATE OF CIRCULATION:	CLOSING DATE FOR VOTING:
2025-08-01	**2025-10-24**
SUPERSEDES DOCUMENTS:	
3/1689/CD, 3/1736/CC	

IEC TC 3 : DOCUMENTATION, GRAPHICAL SYMBOLS AND REPRESENTATIONS OF TECHNICAL INFORMATION	
SECRETARIAT:	SECRETARY:
Sweden	Mr Mikael Törnkvist
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
TC 8,TC 9,SC 17C,TC 22,SC 22F,SC 22H,TC 31,TC 44,SC 45A,TC 57,TC 64,TC 65,SC 65A,SC 65E,TC 69,TC 82,TC 88,TC 120,SC 121A,SC 121B,TC 122,PC 126,PC 127,SyC SM,SyC Smart Cities,SyC Smart Energy,ISO/IEC JTC 1/SC 25	TC 3 Horizontal
ASPECTS CONCERNED:	
☒ SUBMITTED FOR CENELEC PARALLEL VOTING	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING
Attention IEC-CENELEC parallel voting The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	

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TITLE:

Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 2: Classification of objects and codes for classes

PROPOSED STABILITY DATE: 2031

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INDUSTRIAL SYSTEMS, INSTALLATIONS AND EQUIPMENT AND INDUSTRIAL PRODUCTS – STRUCTURING PRINCIPLES AND REFERENCE DESIGNATIONS –

Part 2: Classification of objects and codes for classes

FOREWORD

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International Standard IEC 81346-2 has been prepared by IEC technical committee 3: Documentation, graphical symbols and representations of technical information, in cooperation with ISO technical committee 10: Technical product documentation.

It is published as a double logo standard.

It has the status of a horizontal standard in accordance with IEC Guide 108.

This third edition cancels and replaces the second edition published in 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) existing class definitions have been reviewed and further clarified;

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b) Table 2 has been updated to include the information from the former Table 2;

c) Table 2 has been further updated with the addition of new classes, modification of class names, and identification of obsolete classes in greyscale font.

d) Table 3 has been similarly updated with the addition of new classes, modification of class names, and identification of obsolete classes in greyscale font.

e) additional examples have been added to several classes;

f) a new classification scheme for construction complexes and construction entities has been added as Table 4 and Table 5, respectively, replacing the corresponding tables in ISO 81346-10.

g) the former clause 7 "Classification of objects applicable for infrastructure" and the former Annex C "Object classes related to objects in a generic infrastructure" have been deleted following the introduction of ISO 81346-10, ISO 81346-12 and IEC 81346-14;

h) the former Annex D "Comparison between Tables 1, 2 and 3 of IEC 81346-2:2019 and Tables 1 and 2 of IEC 81346-2:2009" as this document is a revision of IEC 81346-2:2019 and therefore not necessary to maintain.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
3/xxx/FDIS	3/xxxx/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 81346 series, published under the general title *Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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INTRODUCTION

The aim of this document is to establish classification schemes for objects with assigned letter codes for the defined classes, which can be applied throughout all technical areas, e.g. electric, mechanical, process and civil engineering as well as all branches of industry, e.g. energy, chemical, construction, automotive, shipbuilding and marine. The letter codes are intended for use with the rules for the construction of reference designations in accordance with IEC 81346-1 and other parts of the ISO/IEC 81346 series. The letter codes can also be used ”stand-alone” as a generic type designation where a type of component is to be indicated, for example in specifications.

The classification scheme in Clause 5 of this document is an enumerative and faceted classification scheme with the inherent function as the entry class. It is made in accordance with the rules in ISO 704 and the guidelines in ISO 22274.

At the entry level, as shown in Table 1, the inherent function is used to narrow down the areas of applicability of the individual classes to a manageable size. For the sub-divisions of the entry classes, faceted approaches are applied to specify the nature of the concepts contained in the leaf classes.

By applying this method, this document provides stable class codes for objects (including systems and system elements), which are independent of how the objects are used or applied in any design during the entire lifecycle.

Any class is defined by its definition only. Users should select the appropriate class for their object to be classified based on the definition, and not rely upon the class name or the examples.

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